

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

American Paulin system, inc.

Origin and development of the barometer and altimeter. [Los Angeles. c1929.] unp. illus. 28½ cm.
Paulin system precision instruments. Los Angeles. 1929. v. p. illus. 29½ cm.

Argentina. Dirección de meteorología. Sección aerología.

Observaciones con globos pilotos efectuadas en Villa Irtuzár. Altura sobre el nivel del mar 37.20 mts. correspondiente al año 1928. Buenos Aires. 1928. charts. unp. 28 cm.

Australia. Commonwealth bureau of meteorology.

Results of rainfall observations made in western Australia . . . up to 1927 . . . Melbourne. 1929. xiv, 387 p. plates (part fold.) 31 cm.

Bristol company.

Bristol's recording psychrometers. [Waterbury. c1929.] 15 p. illus. 27 cm.

Calhoun, Guy K.

Altimeters and the Paulin system level flight indicator. Function of ordinary altimeters and Paulin type described and contrasted. unp. illus. 30½ cm. [Airway age, May, 1929.]

Entwistle, F.

Wind structure in relation to air navigation. p. 6-18. figs. 21 cm. (Summary of paper read before the Institution, Junior inst. of engin. 9th Dec. 1926.) (Inst. aeron. engin. Gt. Brit. Journ. v. 1, no. 3, March, 1929.)

Gherzi, E.

Piccolo atlante dei tifoni dei mari della Cina. Genova. 1928. 10 p. plates (fold.) 31 cm. (Ist. idrog. della regia marina. Estr. Annali idrog. v. 12.)

Hill, Raymond A.

Effective use of the Paulin altimeter. Los Angeles. c1929. 12 p. figs. 28 cm.

Knoblauch, Osc., & Hencky, K.

Anleitung zu genauen technischen Temperaturmessungen. 2te . . . Aufl. München. 1926. xv, 174 p. figs. 22 cm.

Kuroda, Masao.

Mechanical properties of snow-layer. p. 69-S1. figs. plates 26½ cm. (Sci. papers Inst. phys. & chem. res. Tōkyō. 1929. v. 12.)

Machado, Álvaro R.

Observatório da Serra do Pilar. Breves notas históricas. Estado actual. Desenvolvimento. Pôrto. 1927. 175 p. figs. 23½ cm.

Mitchell, J. A.

Forest fire hazard as affected by weather conditions, forest types, and density of cover. 26 p. figs. 23 cm. (Univ. Wis. agric. exper. sta. Research bull. 91. April, 1929.)

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SOLAR OBSERVATIONS

SOLAR AND SKY RADIATION MEASUREMENTS DURING NOVEMBER, 1929

By HERBERT H. KIMBALL, Solar Radiation Investigations

For a description of instruments and exposures and an account of the method of obtaining and reducing the measurements, the reader is referred to the REVIEW for January, 1929, 57: 26.

Table 1 shows that solar radiation intensities averaged below the normal values for November at Madison, Wis., and Lincoln, Nebr., and above the normal at Washington, D. C.

Möller, Lotte.

Die Zirkulation des Indischen Ozeans auf Grund von Temperatur- und Salzgehaltstiefenmessungen und Oberflächenstrombeobachtungen. Berlin. n. d. 48 p. figs. 26½ cm. (Veröffentl. Inst. für Meeresk., Berlin. Neue Folge. A. Geogr.-naturw. Reihe. H. 21. Apr., 1929.)

Mörikofer, W.

Die Intensität der Sonnenstrahlung in verschiedenen Spektralbereichen in Davos. p. 33-64. figs. 22 cm. (Sonderab.: Festschr. 110. Jahresversamm. Schweiz. naturforsch. Gesellsch. Davos. 1929.)

Mortensen, Hans.

Litauen. Grundzüge einer Landeskunde. Hamburg. 1926. xiv, 321 p. figs. plates. 24 cm. (Osteuropa-institut in Breslau. Quellen und Studien. 5te. Abt. Geogr. und Landeskunde. H. 1.)

Müller, Aloys.

Die Referenzflächen des Himmels und der Gestirne. Braunschweig. 1918. viii, 162 p. tables. diagrs. 23 cm. (Die Wissenschaft. Bd. 62.)

Pollog, Carl Hanns.

Das Wetter. Freiburg im Breisgau. 1929. xi, 178 p. figs. plates. 20½ cm. (Der Weg zur Natur.)

Sifontes, Ernesto.

Venezuela meteorológica. Breves noticias acerca de los modernos trabajos practicados en Venezuela en el campo de aquella ciencia. Caracas. 1929. 98 p. 24 cm.

Staudacher,

Zur Frage der Verbesserung des Klimas von Städten und Dörfern. 16 p. figs. plate. 23½ cm. (Schallwellen. 1. Juni 1929.)

Wagemann, H.

Über Steiggebiete des Luftdruckes bei russischen Kältewellen. (Ein Beitrag zur Erklärung der Luftdruckschwankungen am Boden.) Berlin. 1929. 62 p. figs. 33½ cm. (Veröffentl. preuss. met. Inst. Nr. 364. Abhandl. Bd. 9, Nr. 2.)

Walker, Gilbert T.

Meteorology of India. p. 839-855. illus. 25 cm. (Journ. Roy. soc. arts. London. v. 73, July 31, 1925.)

Willimzik, Magdalene.

Die Strömungen im subtropischen Konvergenzgebiet des Indischen Ozeans. Berlin. n. d. 27 p. figs. plates (fold.) 27 cm. (Veröffentl. Inst. für Meeresk., Berlin. Neue Folge. A. Geogr.-naturw. Reihe. H. 14. Mai 1929.)

Zistler, Peregrin.

Statistische Übersicht über die Münchener Registrierballon-aufstiege (in den Jahren 1906-1914 und 1922-1928). 5 p. diagr. 33½ cm. (Sonderab.: Deutschen met. Jahrb. für Bayern 1928.)

Die Temperaturverhältnisse der freien Atmosphäre über München. Nach den Registrierballonaufstiegen 1906-1914 und 1922-1928. 9 p. 33½ cm. (Sonderab.: Deutschen met. Jahrb. für Bayern 1928.)

Table 2 shows an excess in the total solar radiation (direct + diffuse) received on a horizontal surface at Chicago, and a deficiency at the other four stations for which normal values have been determined.

Skylight polarization measurements obtained on three days at Washington give a mean of 52 per cent and a maximum of 55 per cent on the 19th. These are considerably below the respective averages for November at Washington. At Madison, measurements obtained on seven days give a mean of 65 per cent and a maximum of 72 per cent on the 15th. These values are close to the corresponding averages for November at Madison.

